L Number	Hits	Search Text	DB	Time stamp
17	32	(US-6383623-\$ or US-6235359-\$ or	USPAT;	2003/11/19 17:49
		US-5770313-\$ or US-4902453-\$ or	US-PGPUB	
		US-6013361-\$ or US-4861575-\$ or		
		US-4714642-\$ or US-4781223-\$ or		
		US-4073869-\$ or US-4374114-\$ or		
		US-4056874-\$ or US-5981025-\$ or US-5368906-\$ or US-5038561-\$ or		
•		US-3314915-\$ or US-3656904-\$ or		
		US-3656910-\$ or US-3723605-\$ or		
		US-3656903-\$ or US-3607798-\$ or		
		US-5821284-\$ or US-4492779-\$ or		
		US-6399199-\$ or US-4504532-\$ or		
		US-5368076-\$ or US-3699210-\$).did. or		
		(US-4411880-\$ or US-6515081-\$).did. or		
		(US-20020134484-\$ or US-20020189233-\$ or		
1.0	1	US-20020018847-\$ or US-20020007022-\$).did.	HOOCE	2002/11/10 17:40
18 19	1 16	(US-3576769-\$).did. ((US-6383623-\$ or US-6235359-\$ or	USOCR USPAT;	2003/11/19 17:49 2003/11/19 17:52
19	10	US-5770313-\$ or US-4902453-\$ or	US-PGPUB	2003/11/19 17.52
		US-6013361-\$ or US-4861575-\$ or	00 10102	
		US-4714642-\$ or US-4781223-\$ or		
		US-4073869-\$ or US-4374114-\$ or		
		US-4056874-\$ or US-5981025-\$ or		
		US-5368906-\$ or US-5038561-\$ or		[
	-	US-3314915-\$ or US-3656904-\$ or		
,		US-3656910-\$ or US-3723605-\$ or		
		.US-3656903-\$ or US-3607798-\$ or US-5821284-\$ or US-4492779-\$ or		
		US-6399199-\$ or US-4504532-\$ or		
		US-5368076-\$ or US-3699210-\$).did. or		
-		(US-4411880-\$ or US-6515081-\$).did. or		
		(US-20020134484-\$ or US-20020189233-\$ or		
		US-20020018847-\$ or		
•		US-20020007022-\$).did.) and denier		
20	50	(ablative or rocket) and denier	USOCR	2003/11/19 17:52
-	41	ablative and aramid	USPAT; US-PGPUB	2003/07/21 08:41
_	390	ablative and nylon	USPAT;	2003/01/30 14:07
	350	ablacive and nylon	US-PGPUB	2003/01/30 14.07
_	18	ablative and polyaramid\$1	USPAT;	2003/01/30 14:07
			US-PGPUB	
-	8 .	ablative and aramide	USPAT;	2003/01/30 14:11
			US-PGPUB	
-	56	(ablative and aramid) or (ablative and	USPAT;	2003/01/30 14:11
_* .	9	polyaramid\$1) or (ablative and aramide) ((ablative and aramid) or (ablative and	US-PGPUB USPAT;	2003/01/30 14:19
		polyaramid\$1) or (ablative and aramide))	US-PGPUB	2003/01/30 14:19
		and carboniz\$5	05 10101	·
-	74	ablative and kevlar	USPAT;	2003/01/30 14:15
			US-PGPUB	
-	6	(ablative and kevlar) and carboniz\$5	USPAT;	2003/01/30 14:15
			US-PGPUB	
-	221	rocket and (aramid\$1 or polyaramid\$1)	USPAT;	2003/01/30 14:19
_	9	(rooket and (amonide) an adjusted 2011)	US-PGPUB	2002/01/20 14 12
-	9	(rocket and (aramid\$1 or polyaramid\$1)) and carboniz\$5	USPAT; US-PGPUB	2003/01/30 14:19
- -	6	((rocket and (aramid\$1 or polyaramid\$1))	USPAT;	2003/01/30 14:19
	ŭ	and carboniz\$5) not (((ablative and	US-PGPUB	2003/01/30 14:13
		aramid) or (ablative and polyaramid\$1) or		
		(ablative and aramide)) and carboniz\$5)		
-	38	ablative and aromatic adj polyamide	USPAT;	2003/01/30 15:05
		landa de la companya	US-PGPUB	
-	69	rocket and aromatic adj polyamide	USPAT;	2003/01/30 15:03
_	24	((ablative and aromatic add nolumida)	US-PGPUB	2002/01/20 15:00
-	24	((ablative and aromatic adj polyamide) or (rocket and aromatic adj polyamide)) and	USPAT; US-PGPUB	2003/01/30 15:06
		carboniz\$5	03-rGFUB	
_	12	·	USOCR	2003/01/30 15:05
		polyamide		=====
•				
-	298	<pre>graphitiz\$5 and (aramid\$1 or polyaramid\$1 or aromatic adj polyamide)</pre>	USPAT; US-PGPUB	2003/01/30 15:11

<u> </u>		26	(graphitiz\$5 and (aramid\$1 or	USPAT;	2003/01/30	15:11
			polyaramid\$1 or aromatic adj polyamide))	US-PGPUB		•
			and (rocket or ablative)			
-		6	((graphitiz\$5 and (aramid\$1 or	USPAT;	2003/01/30	15:11
			polyaramid\$1 or aromatic adj polyamide))	US-PGPUB		
			and (rocket or ablative)) not (((ablative			
			and aromatic adj polyamide) or (rocket and			
			aromatic adj polyamide)) and carboniz\$5)	IIODA III	2002/01/20	15.10
-		2	("4278584" "4345003").PN.	USPAT USPAT	2003/01/30 2003/01/30	
		6	4504532.URPN. ((ablative or rocket) and aromatic adj	USOCR	2003/01/30	
			polyamide) and carboniz\$5	OJOCK	2003/01/30	13.10
_		108	viscose adj rayon and (aromatic adj	USPAT;	2003/02/05	10:48
			polyamide or aramid\$1 or polyaramide)	US-PGPUB	2000, 02, 00	10.10
_		11	(viscose adj rayon and (aromatic adj	USPAT;	2003/02/05	09:08
			polyamide or aramid\$1 or polyaramide)) and	US-PGPUB		
			carboniz\$5			
-		26	viscose adj rayon and (aromatic adj	USPAT;	2003/02/05	09:08
			polyamide or aramid\$1 or	US-PGPUB		
		_	polyaramide).ab,clm,ti.			
-		2450	rayon and (aromatic adj polyamide or	USPAT;	2003/02/05	09:28
		1	aramid\$1 or polyaramide)	US-PGPUB	0000 400 405	00 00 .
-		179	(rayon and (aromatic adj polyamide or	USPAT;	2003/02/05	09:09
1_		168	aramid\$1 or polyaramide)) and carboniz\$5 ((rayon and (aromatic adj polyamide or	US-PGPUB USPAT;	2003/02/05	00.26
_		108	aramid\$1 or polyaramide)) and carboniz\$5)	USPAT; US-PGPUB	2003/02/03	05:20
	•		not ((viscose adj rayon and (aromatic adj	OS LGFOD		
			polyamide or aramid\$1 or polyaramide)) and		,	
			carboniz\$5)			
-		2	carded and yarn-spun	USPAT;	2003/02/05	09:27
			· •	US-PGPUB		
-		538	felt and flock	USPAT;	2003/02/05	09:27
				US-PGPUB		
-		19021	aromatic adj polyamide or aramid\$1 or	USPAT;	2003/02/05	10:53
			polyaramide	US-PGPUB	0000 (00 (0=	00 15
-	•	23	(felt and flock) and (aromatic adj	USPAT;	2003/02/05	09:46
l _		528	polyamide or aramid\$1 or polyaramide) (ablative or rocket) and (felt or flock or	US-PGPUB	2003/02/05	10.40
ļ [—]		ا عدة	carded or yarn-spun)	USPAT; US-PGPUB	2003/02/05	10:49
		382	(rocket) and (felt or flock or carded or	USPAT;	2003/02/05	09:48
]	yarn-spun)	US-PGPUB		55.10
-		25	(rocket and ablative) and (felt or flock.	USPAT;	2003/02/05	09:49
1			or carded or yarn-spun)	US-PGPUB		
-	•	. 5	(aromatic adj polyamide or aramid\$1 or	USPAT;	2003/02/05	10:50
			polyaramide) and polyarylonitrile	US-PGPUB		
-		985	(aromatic adj polyamide or aramid\$1 or	USPAT;	2003/02/05	10:49
			polyaramide) and PAN	US-PGPUB	0000 100 100	10
-		29	(ablative or rocket) and ((aromatic adj	USPAT;	2003/02/05	10:51
			polyamide or aramid\$1 or polyaramide) and	US-PGPUB	•	
_		1839	PAN) (aromatic adj polyamide or aramid\$1 or	USPAT;	2003/02/05	10.51
ŀ		1009	polyaramide) and polyacrylonitrile	US-PGPUB	2003/02/03	10.01
_		36	(ablative or rocket) and ((aromatic adj	USPAT;	2003/02/05	10:51
			polyamide or aramid\$1 or polyaramide) and	US-PGPUB		
			polyacrylonitrile)		•	
-		337	aromatic adj polyamide or aramid\$1 or	USOCR	2003/02/05	10:53
			polyaramide			
-		20	(aromatic adj polyamide or aramid\$1 or	USOCR	2003/02/05	10:53
		,	polyaramide) and polyacrylonitrile		0000 (05 (5)	
-		1357	(ablative or rocket) and (aramid or nylon	USPAT;	2003/07/21	11:32
		299	or aromatic adj polyamide or polyaramid)	US-PGPUB	2002/07/21	00.43
		439	((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid))	USPAT; US-PGPUB	2003/07/21	U8:43
			and impregnat\$3	US-FGFUD		
-		233	(((ablative or rocket) and (aramid or	USPAT;	2003/07/21	09:37
İ			nylon or aromatic adj polyamide or	US-PGPUB		,
			polyaramid)) and impregnat\$3) and			
			reinforc\$5			
					· · · · · · · · · · · · · · · · · · ·	

-	205	((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT; US-PGPUB	2003/07/21 09:37
		polyaramid)) and impregnat\$3) and	00 10105	
		reinforc\$5) and (rocket or nose adj cone		
		or exhaust)		
-	197	(((((ablative or rocket) and (aramid or	USPAT;	2003/07/21 08:46
		nylon or aromatic adj polyamide or	US-PGPUB	
		polyaramid)) and impregnat\$3) and reinforc\$5) and (rocket or nose adj cone		
		or exhaust)) and (fiber or filament or		
		mat)	:	
-	37505	(aramid or nylon or aromatic adj	USPAT;	2003/07/21 09:36
i		polyamide or polyaramid) with (fiber or	US-PGPUB	
	449	filament ot mat) ((ablative or rocket) and (aramid or nylon	USPAT;	2003/07/21 12:09
-	443	or aromatic adj polyamide or polyaramid))	US-PGPUB	2003/07/21 12:03
•		and ((aramid or nylon or aromatic adj		
		polyamide or polyaramid) with (fiber or		
,		filament ot mat))		0002/07/01 00 07
-	360	(((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT; US-PGPUB	2003/07/21 09:37
		polyaramid)) and ((aramid or nylon or	03-10101	
		aromatic adj polyamide or polyaramid) with		
		(fiber or filament ot mat))) and (rocket		
		or nose adj cone or exhaust)		0000 /07 /01 00 07
-	244	((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT; US-PGPUB	2003/07/21 09:37
		polyaramid)) and ((aramid or nylon or	03-19101	
		aromatic adj polyamide or polyaramid) with		
		(fiber or filament ot mat))) and (rocket		
		or nose adj cone or exhaust)) and		
	42	reinforc\$5 ("3126306" "3177175" "3314915"	USPAT	2003/07/21 11:32
-	. 42	(3126306 3177173 3314913	USFAI	2003/07/21 11.32
		"3421970" "3449191" "3459701"		
		"3472812" "3562304" "3875106"		
		"3914513" "3969264" "3991004"		
		"4064872" "4205035" "4369297" "4384016" "4394498" "4492779"		
		"4495764" "4501503" "4507165"		
	1	"4514541" "4515912" "4596619"		
		"4600732" "4617371" "4624872"		
		"4631328" "4637896" "4686135"		
		"4696990" "4798849" "4861515" "4863367" "4864537" "4888127"		
		"4956397" "5017304" "5038561").PN.	•	
-	11	(("3126306" "3177175" "3314915"	USPAT;	2003/07/21 11:32
	}	"3347047" "3395035" "3397168"	US-PGPUB	
		"3421970" "3449191"		
		"3472812" "3562304" "3875106" "3914513" "3969264" "3991004"	1	
		"4064872" "4205035" "4369297"	1	
		"4384016" "4394498" "4492779"	1	
		"4495764" "4501503" "4507165"		•
		"4514541" "4515912" "4596619" "4600732" "4617371" "4624872"	1	
		"4600732" "4617371" 4624672" "4631328" "4637896" "4686135"	1	
		"4696990" "4798849" "4861515"	1	
		"4863367" "4864537" "4888127"		
		"4956397" "5017304" "5038561").PN.)		
		and (aramid or nylon or aromatic adj polyamide or polyaramid)		
_	7	5352312.URPN.	USPAT	2003/07/21 11:51
-	187		USPAT;	2003/07/21 12:09
		nylon or aromatic adj polyamide or	US-PGPUB	
		polyaramid)) and ((aramid or nylon or	1]
		aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and	1	
	1	impregnat\$3		
<u> </u>	1	· · · · · · · · · · · · · · · · · · ·	<u> </u>	J

	163	((((ablative or rocket) and (aramid or	USPAT;	2003/07/21 13:12
		nylon or aromatic adj polyamide or	·US-PGPUB	
1 . 1		polyaramid)) and ((aramid or nylon or		
	,	aromatic adj polyamide or polyaramid) with		
		(fiber or filament ot mat))) and		
		impregnat\$3) and reinforc\$5		
-	510	((ablative or rocket) and (aramid or nylon	USPAT;	2003/07/21 14:38
		or aromatic adj polyamide or polyaramid))	US-PGPUB	
		and insulat\$3		
1_	202	((aramid or nylon or aromatic adj	USPAT;	2003/07/21 13:25
-	202	polyamide or polyaramid) with (fiber or	US-PGPUB	2003/07/21 13:23
1			03-16105	
1		filament ot mat)) and (((ablative or		
		rocket) and (aramid or nylon or aromatic		
		adj polyamide or polyaramid)) and		
		insulat\$3)		
-	134		USPAT;	2003/07/21 14:35
1		polyamide or polyaramid) with (fiber or	US-PGPUB	
		filament ot mat)) and (((ablative or		
		rocket) and (aramid or nylon or aromatic		
		adj polyamide or polyaramid)) and		
		insulat\$3)) not (((((ablative or rocket)		
1		and (aramid or nylon or aromatic adj		
		polyamide or polyaramid)) and impregnat\$3)		
1		and reinforc\$5) and (rocket or nose adj		
]			· ·	
] 1		cone or exhaust)) and (fiber or filament		
		or mat))	110000	0000/07/01
-	587	l ' '	USPAT;	2003/07/21 14:43
		or aromatic adj polyamide or polyaramid))	US-PGPUB	
		and (insulat\$3 with (rocket) or ablative)		
-	180	((aramid or nylon or aromatic adj	USPAT;	2003/07/21 14:39
		polyamide or polyaramid) with (fiber or	US-PGPUB	
		filament ot mat)) and (((ablative or		
		rocket) and (aramid or nylon or aromatic		
		adj polyamide or polyaramid)) and		
1.		(insulat\$3 with (rocket) or ablative))		ì
1_	135	(((aramid or nylon or aromatic adj	USPAT;	2003/07/21 14:39
	133		US-PGPUB	2003/07/21 14.39
		polyamide or polyaramid) with (fiber or	US-PGPUB	
		filament ot mat)) and (((ablative or		
		rocket) and (aramid or nylon or aromatic		
		adj polyamide or polyaramid)) and		İ
		(insulat\$3 with (rocket) or ablative)))		
		not (((((ablative or rocket) and (aramid		
1		or nylon or aromatic adj polyamide or		
		polyaramid)) and impregnat\$3) and	,	
		reinforc\$5) and (rocket or nose adj cone		
		or exhaust)) and (fiber or filament or		
		mat))		
-	84	((ablative or rocket) and (aramid or nylon	USPAT;	2003/07/21 14:49
		or aromatic adj polyamide or polyaramid))	US-PGPUB	
		and (insulat\$3 with (rocket))		
_	10	("H001140" "3243956" "3269113"	USPAT	2003/07/21 14:45
		"3928965" "3990369" "4495764"		
		"4501841" "4507165" "4632847"		1
		"5388399").PN.		
_	, ·	l ·	HCDAM.	2003/07/21 14:54
-	4	(("4656095") or ("4595714") or ("4600732")	USPAT;	2003/0//21 14:54
		or ("4956397")).PN.	US-PGPUB	0000/07/55
i -	1	("4492779").PN.	USPAT;	2003/07/21 14:54
	_		US-PGPUB	
-				
	6	("3650102" "3723588" "4064359"	USPAT	2003/07/21 15:24
	6	"4246313" "4463465" "4473614").PN.	USPAT	
-		"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or		2003/07/21 15:24 2003/07/21 15:27
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT	
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or	USPAT;	
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT;	
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with	USPAT;	
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and	USPAT;	
_	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not	USPAT;	
_	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not (((((ablative or rocket) and (aramid or	USPAT;	
-	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or	USPAT;	
	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and impregnat\$3) and	USPAT;	
	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and impregnat\$3) and reinforc\$5) and (rocket or nose adj cone	USPAT;	
	6	"4246313" "4463465" "4473614").PN. (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and ((aramid or nylon or aromatic adj polyamide or polyaramid) with (fiber or filament ot mat))) and impregnat\$3) and reinforc\$5) not (((((ablative or rocket) and (aramid or nylon or aromatic adj polyamide or polyaramid)) and impregnat\$3) and	USPAT;	

-	16409	ablative or rocket	USPAT;	2003/11/18 09:24
			US-PGPUB	
_	127.	(ablative or rocket) and denier	USPAT;	2003/11/18 09:42
			US-PGPUB	
_	1	("6383320").PN.	USPAT;	2003/11/18 09:42
			US-PGPUB	